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OM protein - protein search, using sw model

Run on: June 23, 2003, 08:39:17 ; Search time 51.9851 Seconds
(without alignments)
382.995 Million cell updates/sec

Title: US-10-077-137-1

Perfect score: 964
Sequence: 1 MOWAGGQSONEYFDSLHA.....CKSLPAUSATEIEKTSISAR 184

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Optimal number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
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- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	964	100.0	184	9	US-10-077-438-1
2	964	100.0	184	9	US-10-077-438-7
3	964	100.0	184	9	US-10-077-137-1
4	964	100.0	184	9	US-10-077-137-7
5	964	100.0	184	9	US-10-068-725-2
6	964	100.0	184	9	US-10-151-882-47
7	964	100.0	184	9	US-10-115-192-8
8	964	100.0	184	9	US-10-008-063-7
9	964	100.0	184	9	US-10-152-363A-27
10	950	98.5	181	10	US-09-854-864-5
11	572	59.3	185	10	US-09-854-864-11
12	323	33.5	58	10	US-09-854-864-21
13	311.5	32.3	117	10	US-09-854-864-12
14	286.5	29.7	302	10	US-10-115-192-12
15	286	29.7	283	10	US-09-854-864-9
16	284	29.5	51	10	US-09-854-864-6
17	264	27.4	207	9	US-10-077-438-3
18	264	27.4	207	9	US-10-077-137-3
19	201	20.9	34	10	US-09-854-864-7

20	201	20.9	81	10	US-09-854-864-13	Sequence 13, Appl
21	187	19.4	281	10	US-09-854-864-10	Sequence 10, Appl
22	116.5	12.1	175	9	US-10-008-063-13	Sequence 13, Appl
23	104	10.8	21	10	US-09-854-864-8	Sequence 8, Appl
24	100	10.4	185	9	US-10-251-947-2	Sequence 2, Appl
25	93	9.6	184	9	US-10-008-063-2	Sequence 2, Appl
26	93	9.6	184	9	US-10-152-363A-60	Sequence 60, Appl
27	91	9.4	171	9	US-10-251-947-4	Sequence 4, Appl
28	91	9.4	171	9	US-10-251-947-7	Sequence 7, Appl
29	90.5	9.4	170	9	US-10-251-947-6	Sequence 6, Appl
30	86.5	9.0	392	9	US-10-152-363A-50	Sequence 50, Appl
31	84	8.7	338	9	US-10-152-363A-52	Sequence 52, Appl
32	83	8.6	342	9	US-10-152-363A-54	Sequence 54, Appl
33	81.5	8.5	186	9	US-10-251-947-14	Sequence 14, Appl
34	79.5	8.2	1009	8	US-09-779-050A-42	Sequence 42, Appl
35	79.5	8.2	1009	8	US-08-987-689A-2	Sequence 2, Appl
36	78.5	8.1	293	9	US-10-084-971-2	Sequence 2, Appl
37	78.5	8.1	293	9	US-10-068-725-4	Sequence 4, Appl
38	78.5	8.1	293	9	US-09-302-863-2	Sequence 2, Appl
39	78.5	8.1	293	9	US-10-151-882-46	Sequence 46, Appl
40	78.5	8.1	293	9	US-10-293-816-2	Sequence 2, Appl
41	78.5	8.1	293	9	US-10-008-063-8	Sequence 8, Appl
42	78.5	8.1	293	9	US-10-152-363A-2	Sequence 2, Appl
43	78.5	8.1	293	10	US-09-879-919-22	Sequence 22, Appl
44	78.5	8.1	293	10	US-09-854-864-14	Sequence 14, Appl
45	78.5	8.1	293	10	US-09-961-376-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1

US-10-077-438-1
Sequence 1, Application US/10077438
Patent No. US20020165156A1

GENERAL INFORMATION:

APPLICANT: Mackay, Fabienne
APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Techopp, Durg
APPLICANT: Schneider, Pascal
APPLICANT: Thompson, Jeffrey
APPLICANT: Biogen, Inc.
APPLICANT: Apotech Rad S.A.
TITLE OF INVENTION: Baff Receptor (BCMA), An
FILE REFERENCE: A080PCT
CURRENT FILING DATE: 2002-02-18
PRIOR FILING DATE: 2002-02-18
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/183,536
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO. 1
LENGTH: 184
TYPE: PRT
ORGANISM: homo sapien
US-10-077-438-1

Query Match
Best Local Similarity 100.0%; Pred. No. 6.36-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 1 MOWAGGQSONEYFDSLHA...PCTLRSSNTPLTCQRYCNASVTNSVKGNAITMCTL 60

Db 1 MOWAGGQSONEYFDSLHA...PCTLRSSNTPLTCQRYCNASVTNSVKGNAITMCTL 60

QY 61 GLLISLAVFLVLMFLKRISEPLKDEFKOTGSGLLGMANIDLEKSTGDEIILPRGLE 120

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Db      61 GLSLIISLAVFLVLMFLRKISSEPLKDEFKNTGSLGMANIDLEKSRTEDEIILPRGLE 120
QY      121 YVVEECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKTNDYCKSLPALASATEIEKS 180
Db      121 YVVEECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKTNDYCKSLPALASATEIEKS 180
QY      181 ISAR 184
Db      181 ISAR 184

RESULT 2
US-10-077-438-7
; Sequence 7, Application US/10077438
; Patent No. US20020165156A1
; GENERAL INFORMATION:
; APPLICANT: Mackay, Fabienne
; APPLICANT: Browning, Jeffrey
; APPLICANT: Ambrose, Christine
; APPLICANT: Techopp, Jurg
; APPLICANT: Schneider, Pascal
; APPLICANT: Thompson, Jeffrey
; APPLICANT: Biogen, Inc.
; TITLE OF INVENTION: Baff Receptor (BCMA), An
; TITLE OF INVENTION: Immunoregulatory Agent
; FILE REFERENCE: A080PCT
; CURRENT APPLICATION NUMBER: US/10/077,438
; CURRENT FILING DATE: 2002-02-18
; PRIOR APPLICATION NUMBER: 60/149,378
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/181,684
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/183,536
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 184
; TYPE: PRT
; ORGANISM: homo sapien
US-10-077-438-7

Query Match      100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6,3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 MLOMAGCCSQNEXFYDSLHACIFCQLRCSSTPPLTCQRYCNASVTNSVKGTAIIMTCL 60
QY      61 GLSLIISLAVFLVLMFLRKISSEPLKDEFKNTGSLGMANIDLEKSRTEDEIILPRGLE 120
Db      61 GLSLIISLAVFLVLMFLRKISSEPLKDEFKNTGSLGMANIDLEKSRTEDEIILPRGLE 120
QY      121 YVVEECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKTNDYCKSLPALASATEIEKS 180
Db      121 YVVEECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKTNDYCKSLPALASATEIEKS 180
QY      181 ISAR 184
Db      181 ISAR 184

RESULT 3
US-10-077-137-1
; Sequence 1, Application US/10077137
; Patent No. US20020172674A1
; GENERAL INFORMATION:
; APPLICANT: Mackay, Fabienne
; APPLICANT: Browning, Jeffrey
; APPLICANT: Ambrose, Christine
; APPLICANT: Techopp, Jurg

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; APPLICANT: Schneider, Pascal
; APPLICANT: Thompson, Jeffrey
; APPLICANT: Biogen, Inc.
; APPLICANT: Apotech R&D S.A.
; TITLE OF INVENTION: Baff Receptor (BCMA), An
; TITLE OF INVENTION: Immunoregulatory Agent
; FILE REFERENCE: A080PCT
; CURRENT APPLICATION NUMBER: US/10/077,137
; CURRENT FILING DATE: 2001-02-15
; PRIOR APPLICATION NUMBER: 60/149,378
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/181,684
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/183,536
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 184
; TYPE: PRT
; ORGANISM: homo sapien
US-10-077-137-1

Query Match      100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6,3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLOMAGCCSQNEXFYDSLHACIFCQLRCSSTPPLTCQRYCNASVTNSVKGTAIIMTCL 60
Db      1 MLOMAGCCSQNEXFYDSLHACIFCQLRCSSTPPLTCQRYCNASVTNSVKGTAIIMTCL 60
QY      61 GLSLIISLAVFLVLMFLRKISSEPLKDEFKNTGSLGMANIDLEKSRTEDEIILPRGLE 120
Db      61 GLSLIISLAVFLVLMFLRKISSEPLKDEFKNTGSLGMANIDLEKSRTEDEIILPRGLE 120
QY      121 YVVEECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKTNDYCKSLPALASATEIEKS 180
Db      121 YVVEECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKTNDYCKSLPALASATEIEKS 180
QY      181 ISAR 184
Db      181 ISAR 184

RESULT 4
US-10-077-137-7
; Sequence 7, Application US/10077137
; Patent No. US20020172674A1
; GENERAL INFORMATION:
; APPLICANT: Mackay, Fabienne
; APPLICANT: Browning, Jeffrey
; APPLICANT: Ambrose, Christine
; APPLICANT: Techopp, Jurg
; APPLICANT: Schneider, Pascal
; APPLICANT: Thompson, Jeffrey
; APPLICANT: Biogen, Inc.
; APPLICANT: Apotech R&D S.A.
; TITLE OF INVENTION: Baff Receptor (BCMA), An
; TITLE OF INVENTION: Immunoregulatory Agent
; FILE REFERENCE: A080PCT
; CURRENT APPLICATION NUMBER: US/10/077,137
; CURRENT FILING DATE: 2001-02-15
; PRIOR APPLICATION NUMBER: 60/149,378
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/181,684
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/183,536
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 184
; TYPE: PRT

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ORGANISM: homo sapien
US-10-077-137-7

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6.3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MLOMAGGCSQNEYPDSLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKGNTNAILMTCL 60
QY 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
DB 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
QY 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180
DB 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180

QY 181 ISAR 184
DB 181 ISAR 184

RESULT 5
US-10-068-725-2

Sequence 2, Application US/10068725
Publication No. US20030012783A1

GENERAL INFORMATION:

APPLICANT: Kindavogel, Wayne

TITLE OF INVENTION: Antibodies That Bind Both BCMA and TACI

FILE REFERENCE: 01-04

CURRENT APPLICATION NUMBER: US/10/068,725

PRIOR FILING DATE: 2002-02-06

PRIOR APPLICATION NUMBER: 60/270,274

PRIOR FILING DATE: 2001-02-20

PRIOR APPLICATION NUMBER: 60/183,447

PRIOR FILING DATE: 2001-04-12

NUMBER OF SEQ ID NOS: 5

SOFTWARE: FaSTSeq for Windows Version 3.0

SEQ ID NO 2

LENGTH: 184

TYPE: PRT

ORGANISM: Homo sapiens

US-10-068-725-2

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6.3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MLOMAGGCSQNEYPDSLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKGNTNAILMTCL 60
QY 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
DB 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
QY 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180
DB 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180
QY 181 ISAR 184
DB 181 ISAR 184

RESULT 6
US-10-151-882-47

Sequence 47, Application US/10151882
Publication No. US20030059862A1

GENERAL INFORMATION:

APPLICANT: Ruben, Steven M.

TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)

FILE REFERENCE: PFS54

CURRENT APPLICATION NUMBER: US/10/151,882

PRIOR FILING DATE: 2002-05-22

PRIOR APPLICATION NUMBER: 60/293,100

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 48

SOFTWARE: PatentIn version 3.0

SEQ ID NO: 47

LENGTH: 184

TYPE: PRT

ORGANISM: Homo sapiens

US-10-151-882-47

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6.3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLOMAGGCSQNEYPDSLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKGNTNAILMTCL 60
DB 1 MLOMAGGCSQNEYPDSLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKGNTNAILMTCL 60
QY 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
DB 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
QY 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180
DB 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180
QY 181 ISAR 184
DB 181 ISAR 184

RESULT 7
US-10-115-192-8

Sequence 8, Application US/10115192

Publication No. US20030082175A1

GENERAL INFORMATION:

APPLICANT: Apotech R & D S.A.

TITLE OF INVENTION: April Receptor (BCMA) and Uses Thereof

FILE REFERENCE: A083PCT

CURRENT APPLICATION NUMBER: US/10/115,192

PRIOR FILING DATE: 2002-04-02

PRIOR APPLICATION NUMBER: 60/215688

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: 60/181807

PRIOR FILING DATE: 2000-02-11

PRIOR APPLICATION NUMBER: 60/157933

PRIOR FILING DATE: 1999-10-06

NUMBER OF SEQ ID NOS: 12

SOFTWARE: FaSTSeq for Windows Version 4.0

SEQ ID NO 8

LENGTH: 184

TYPE: PRT

ORGANISM: homo sapiens

US-10-115-192-8

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6.3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLOMAGGCSQNEYPDSLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKGNTNAILMTCL 60
DB 1 MLOMAGGCSQNEYPDSLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKGNTNAILMTCL 60
QY 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
DB 61 GSLIISLAVFLMFLMLRKISSEPLKDEFKNTGSGILGMANIDLEKSRGTGEIILPRGLE 120
QY 121 YVVECTCEDCIKSKPKVDSDHCFPLPAMEBGATILVTTKTNDYCKSLPALASATEIEKS 180

Db 121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
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QY 181 ISAR 184
|||
Db 181 ISAR 184

RESULT 8

US-10-008-063-7
; Sequence 7, Application US/10008063
; Publication No. US20030092164A1
; GENERAL INFORMATION:
; APPLICANT: Gross, Jane A.
; APPLICANT: Gross, Jane A.
; APPLICANT: Xu, Wenfeng
; APPLICANT: Henne, Randal M.
; APPLICANT: Grant, Francis, J.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
; FILE REFERENCE: 00-103
; CURRENT APPLICATION NUMBER: US/10/008,063
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatsSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 184
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-008-063-7

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6,3e-89;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCGAGCCSNEYFDSLHACIPCOLRCSNTPLTCORCYCNASVYNSVKGTAAILMTCL 60
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Db 1 MCGAGCCSNEYFDSLHACIPCOLRCSNTPLTCORCYCNASVYNSVKGTAAILMTCL 60
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QY 61 GLSLIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLE 120
61 GLSLIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLE 120
Db 61 GLSLIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLE 120
61 GLSLIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLE 120
QY 121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
Db 121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
QY 181 ISAR 184
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Db 181 ISAR 184

RESULT 9

US-10-152-363A-27
; Sequence 27, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixom, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; FILE REFERENCE: 01-20
; CURRENT APPLICATION NUMBER: US/10/152,363A
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatsSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 184
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-152-363A-27

Query Match 100.0%; Score 964; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 6,3e-89;

Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCGAGCCSNEYFDSLHACIPCOLRCSNTPLTCORCYCNASVYNSVKGTAAILMTCL 60
|||||
Db 1 MCGAGCCSNEYFDSLHACIPCOLRCSNTPLTCORCYCNASVYNSVKGTAAILMTCL 60
|||||
QY 61 GLSLIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLE 120
61 GLSLIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLE 120
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QY 121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
Db 121 YTVBECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKS 180
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Db 181 ISAR 184

RESULT 10

US-09-854-864-5
; Sequence 5, Application US/09854864
; Patent No. US20020081296A1
; GENERAL INFORMATION:
; APPLICANT: THEILL, LARS EYDE
; APPLICANT: YU, GANG
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
; TITLE OF INVENTION: BLYS/AgP-3, AND TACI
; FILE REFERENCE: A-686B
; CURRENT APPLICATION NUMBER: US/09/854,864
; PRIOR FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: US 60/204,039
; PRIOR FILING DATE: 2000-05-12
; PRIOR APPLICATION NUMBER: US 60/214,591
; PRIOR FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 181
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-854-864-5

Query Match 98.5%; Score 950; DB 10; Length 181;
Best Local Similarity 100.0%; Pred. No. 1,6e-87;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 MAGCCSNEYFDSLHACIPCOLRCSNTPLTCORCYCNASVYNSVKGTAAILMTCLGLS 63
|||||
Db 1 MAGCCSNEYFDSLHACIPCOLRCSNTPLTCORCYCNASVYNSVKGTAAILMTCLGLS 60
|||||
QY 64 LIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLEXYTV 123
64 LIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLEXYTV 123
Db 61 LIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLEXYTV 120
61 LIISLAVFLMFLRKISSEPLKDEPKNTGSLGMANIDLEKSRGTGEIILPRGLEXYTV 120
QY 124 BECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKSISA 183
124 BECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKSISA 183
Db 124 BECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKSISA 180
124 BECTCEDCIKSKRPVSDHCFPLPAMEGATILVTTKNDYCKSLPALSAATEIEKSISA 180
QY 184 R 184
|||
Db 184 R 184

RESULT 11

US-09-854-864-11
; Sequence 11, Application US/09854864
; Patent No. US20020081296A1
; GENERAL INFORMATION:
; APPLICANT: THEILL, LARS EYDE
; APPLICANT: YU, GANG
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
; TITLE OF INVENTION: BLYS/AgP-3, AND TACI

FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SEQ ID NO 11
LENGTH: 185
TYPE: PRT
ORGANISM: Murine
US-09-854-864-11

Query Match 59.3%; Score 572; DB 10; Length 185;
Best Local Similarity 62.6%; Pred. No. 1,2e-49;
Matches 117; Conservative 21; Mismatches 41; Indels 8; Gaps 4;

4 MAGQCSQNEYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCLGLS 63
1 MAQCCSHSYFDSLHACIPCOLRCSN--PPATCQYCDPSTSVKGTIVLIMIFLGLT 58
64 LIISLAVFVLMFLRKISSEPLKDEPKN---TSGLLGMANIDLEKSRGTGEIILPRGL 119
59 LVLSIALFTISFLRKNEALKDEPQSGQLDGSALDKADTELTRIRAGDDRIEPRSL 118
QY 120 EXTVECTCEDCKSKPKVDSDHCPPLPAMEGATILVTNTKNDYCK-SLPAAL-SATEI 177
DB 119 EXTVECTCEDCKSKPKVDSDHCPPLPAMEGATILVTNTKNDYCKSVPTALOSVGM 178
QY 178 EKSIAR 184
DB 179 EKPTHK 185

RESULT 12
US-09-854-864-21
Sequence 21, Application US/09854864
Patent No. US20020081296A1
GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SEQ ID NO 21
LENGTH: 58
TYPE: PRT
ORGANISM: Homo sapiens
US-09-854-864-21

Query Match 33.5%; Score 323; DB 10; Length 58;
Best Local Similarity 100.0%; Pred. No. 2.6e-25;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CSQNEYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCLGLSLI 65
DB 1 CSQNEYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCLGLSLI 58

RESULT 13
US-09-854-864-12
Sequence 12, Application US/09854864
Patent No. US20020081296A1

GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 117
TYPE: PRT
ORGANISM: human-murine Consensus
US-09-854-864-12

Query Match 32.3%; Score 311.5; DB 10; Length 117;
Best Local Similarity 61.5%; Pred. No. 8.8e-24;
Matches 96; Conservative 4; Mismatches 7; Indels 49; Gaps 19;

QY 9 CSQNEYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCLGLSLI 68
DB 2 ACQEFYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCLGLSLI 43
QY 69 AVFVLMFLRKISSEPLKDEPKNKGSGLLGMANIDLEKSRGTGEIILPRGLIYVECTC 128
DB 44 A-----FLLRK-----ELKDE-----GSLAL-----RGD---IPR-LEYVECTC 76
QY 129 EDCIKSKPKVDSDHCPPLPAMEGATILVTNTKNDY 164
DB 77 EDC-KSKPK-DSDDH-FPLPAMEGATILVTNTK-DY 108

RESULT 14
US-10-115-192-12
Sequence 12, Application US/10115192
Publication No. US20030082175A1
GENERAL INFORMATION:
APPLICANT: Apotech R & D S.A.
APPLICANT: Biogen, Inc.
TITLE OF INVENTION: April Receptor (BCMA) and Uses Thereof
FILE REFERENCE: A083PCT
CURRENT APPLICATION NUMBER: US/10/115,192
CURRENT FILING DATE: 2002-04-02
PRIOR APPLICATION NUMBER: 60/215688
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/181807
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/157933
PRIOR FILING DATE: 1999-10-06
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 302
TYPE: PRT
ORGANISM: homo sapiens
US-10-115-192-12

Query Match 29.7%; Score 266.5; DB 9; Length 302;
Best Local Similarity 39.9%; Pred. No. 9.3e-21;
Matches 81; Conservative 13; Mismatches 54; Indels 55; Gaps 8;

QY 1 MLOMAGQCSQNEYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCL 60
DB 24 MLOMAGQCSQNEYFDSLHACIPCOLRCSNTPPLTCORYCNASVTNSVKGTAIIMTCL 81
QY 61 GLSLIISLAVFVLMFLRKISSEPLKDEPKNTGSGLLGMANIDLEKSRGTGEIILPRGL 120
DB 82 -----PFC-----PAPILGQPSVFLPPLPKKDTLIMISRTPE 113

QY 121 YTWECTCEDCICKPKRVSD-----HCFPLPAME-----GATILVTTKNDY-- 164
 Db 114 VT---CVVVDVSHEDPEVKFNWYVDGVEVHNAKTPREBOYNSTYRVSVLTVLHODWLN 170
 QY 165 -----CKSLPALSTATEIEKSIS 182
 Db 171 GKEYCKVSNKALPA-PIEKTIS 192

RESULT 15
 US-09-854-864-9
 ; Sequence 9, Application US/09854864
 ; Patent No. US20020081296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: THEILL, LARS EYDE
 ; APPLICANT: YU, GANG
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
 ; TITLE OF INVENTION: BLYS/AGP-3, AND TACI
 ; FILE REFERENCE: A-686B
 ; CURRENT APPLICATION NUMBER: US/09/854,864
 ; PRIOR FILING DATE: 2001-09-11
 ; PRIOR APPLICATION NUMBER: US 60/204,039
 ; PRIOR FILING DATE: 2000-05-12
 ; PRIOR APPLICATION NUMBER: US 60/214,591
 ; PRIOR FILING DATE: 2000-06-27
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: Patent version 3.1
 ; SEQ ID NO 9
 ; LENGTH: 283
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-854-864-9

Query Match 29.7%; Score 286; DB 10; Length 283;
 Best Local Similarity 37.6%; Pred. No. 9.7e-21;
 Matches 80; Conservative 12; Mismatches 47; Indels 74; Gaps 7;

QY 4 MAGCCSONEYFDSLHACIPCOLRGSSNTPPLTCORCNASVTNSVKGTAIIMTCLGLS 63
 Db 1 MAGCCSONEYFDSLHACIPCOLRGSSNTPPLTCORCNASVTNSVKGTAI----- 51
 QY 64 LIISLAVFLMFLRKISSEPLKDEFKNTGSG-----LIGMANIDLEKSRIG 110
 Db 52 -----CGGGGDKHTCCPPCAPBELLGSPSVFLPPKPK 84
 QY 111 DEIILPRGLTYEECTCEDCICKPKRVSD-----HCFPLPAME-----GATIL 156
 Db 85 DTIMISRTPEVT---CVVVDVSHEDPEVKFNWYVDGVEVHNAKTPREBOYNSTYRVSV 141
 QY 157 VTTKNDY-----CKSLPALSTATEIEKSIS 182
 Db 142 LTVLHODWLNKEYCKVSNKALPA-PIEKTIS 173

Search completed: June 23, 2003, 08:54:12
 Job time: 52.9851 secs